Exhibit C

Blast of SEQ ID NO:3 versus human genomic sequence

MegaBlast:

MEGABLAST 1.2.3-Paracel [2001-11-20]

Reference:
Zheng Zhang, Scott Schwartz, Lukas Wagner, and Webb Miller (2000),
"A greedy algorithm for aligning DNA sequences",
J Comput Biol 2000; 7(1-2):203-14.
Database: Homo_sapiens.latestgp.masked.fa
            44,521 sequences; 200,768,834,160 total letters
Query= seqid3
          (3645 letters)

	Score	E
Sequences producing significant alignments:	(bits)	Value
AC116621.6.101924.177999	442	e-121
AC116621.6.22858.101182	406	e-110
AC116615.3.60396.89763	406	e-110
AC084724.3.6664.29537	389	e-105
AC084724.3.127117.217563	331	2e-87
AC084724.3.29638.51693	232	1e-57
AC116643.2.13772.15264	178	2e-41
AC116642.2.30736.38115	170	4e-39

>AC116621.6.101924.177999
          Length = 76076

  Score = 442 bits (223), Expect = e-121
  Identities = 233/236 (98%), Gaps = 1/236 (0%)
  Strand = Plus / Minus

Query: 1985 tttca-agtaagcgagaaatacttcgcagattaaatgaaaatcttaaagctcaagaagat 2043
             ||||| ||||||||||||||||||| |||||||||||||||||||||||||||||||||||
Sbjct: 69908 tttcagagtaagcgagaaatacttcgtagattaaatgaaaatcttaaagctcaagaagat 69849

Query: 2044 gaaaaaggaatgcagaatctctctgatactttttgagataaatgttcatgaagatgccaaa 2103
             ||||||||| ||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 69848 gaaaaaggaaagcagaatctctctgatactttttgagataaatgttcatgaagatgccaaa 69789

Query: 2104 gagcatgaaaaagaaaaatcagtttcatctgatcgcaagaagtgggaggcaggaggtcaa 2163
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 69788 gagcatgaaaaagaaaaatcagtttcatctgatcgcaagaagtgggaggcaggaggtcaa 69729

Query: 2164 cttgtgattcctctggatgagttaacactagatacatccttctctacaactgaaag 2219
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 69728 cttgtgattcctctggatgagttaacactagatacatccttctctacaactgaaag 69673

  Score = 357 bits (180), Expect = 3e-95
  Identities = 180/180 (100%)
  Strand = Plus / Minus

```
Query: 2757   agagcctggaaccaatgattctcagcactctaaatgtgatgtagataagtctgtgcaacc 2816
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 17338  agagcctggaaccaatgattctcagcactctaaatgtgatgtagataagtctgtgcaacc 17279


Query: 2817   ggaaccattttccataaggtggttcattctgaacacttgaacttagtccctcaagttca 2876
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 17278  ggaaccattttccataaggtggttcattctgaacacttgaacttagtccctcaagttca 17219


Query: 2877   atcagttcagtgttcaccagaagaatcctttgcatttcgatctcactcgcatttaccacc 2936
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 17218  atcagttcagtgttcaccagaagaatcctttgcatttcgatctcactcgcatttaccacc 17159



 Score =  303 bits (153), Expect = 4e-79
 Identities = 153/153 (100%)
 Strand = Plus / Minus


Query: 2219   gacatacagtgggagaagttattaaattaggtcctaatggatctccaagaagagcctggg 2278
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 55945  gacatacagtgggagaagttattaaattaggtcctaatggatctccaagaagagcctggg 55886


Query: 2279   ggaaagtccgacagattctgttctaaagatacttggagaagctgaactacaacttcaga 2338
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 55885  ggaaagtccgacagattctgttctaaagatacttggagaagctgaactacaacttcaga 55826


Query: 2339   cagaactattagaaaatacaactattagaagtg 2371
              |||||||||||||||||||||||||||||||||
Sbjct: 55825  cagaactattagaaaatacaactattagaagtg 55793



 Score =  264 bits (133), Expect = 4e-67
 Identities = 133/133 (100%)
 Strand = Plus / Minus


Query: 1792   ttggtggctaaaggagttaagagttctgatgtttctccacctttgggacagcatgaaaca 1851
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 72084  ttggtggctaaaggagttaagagttctgatgtttctccacctttgggacagcatgaaaca 72025


Query: 1852   ggtggctctccatcaaagcaacagatgagatctgttatttctgtaacttcagctttgaa 1911
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 72024  ggtggctctccatcaaagcaacagatgagatctgttatttctgtaacttcagctttgaa 71965


Query: 1912   gaagttggcgtgg 1924
              |||||||||||||
Sbjct: 71964  gaagttggcgtgg 71952



 Score =  248 bits (125), Expect = 2e-62
```

Identities = 125/125 (100%)
Strand = Plus / Minus

Query: 2547 agaacctgatgatttggaaacagaaattctacaagagccagtggaacaaacaaagatga 2606
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 26219 agaacctgatgatttggaaacagaaattctacaagagccagtggaacaaacaaagatga 26160

Query: 2607 gagcttgccatgcactattactgatgtgtggattagtgaggaaaaagaaacaaaggaaac 2666
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 26159 gagcttgccatgcactattactgatgtgtggattagtgaggaaaaagaaacaaaggaaac 26100

Query: 2667 tcagt 2671
             |||||
Sbjct: 26099 tcagt 26095

 Score = 246 bits (124), Expect = 8e-62
 Identities = 124/124 (100%)
 Strand = Plus / Minus

Query: 2425 gtacaatgtatttcacatgaaataaacccatcagctattgttgattctcctgttgagaca 2484
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 30756 gtacaatgtatttcacatgaaataaacccatcagctattgttgattctcctgttgagaca 30697

Query: 2485 aaaagtcccgagttcagtgaggcatctccacagatgtcattgaaactggaaggaaattta 2544
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 30696 aaaagtcccgagttcagtgaggcatctccacagatgtcattgaaactggaaggaaattta 30637

Query: 2545 gaag 2548
             ||||
Sbjct: 30636 gaag 30633

 Score = 176 bits (89), Expect = 6e-41
 Identities = 89/89 (100%)
 Strand = Plus / Minus

Query: 2670 gtcggcagataggatcaccattcaggaaaatgaagtttctgaagatggagtctcgagtac 2729
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 18770 gtcggcagataggatcaccattcaggaaaatgaagtttctgaagatggagtctcgagtac 18711

Query: 2730 tgtggaccaacttagtgacattcatatag 2758
             |||||||||||||||||||||||||||||
Sbjct: 18710 tgtggaccaacttagtgacattcatatag 18682

 Score = 135 bits (68), Expect = 2e-28
 Identities = 72/73 (98%), Gaps = 1/73 (1%)
 Strand = Plus / Minus

```
Query: 1923  ggacagtagtttaactgatacccgggaaacttcagaagagatgcaaaagaccaacaatgc 1982
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 70048 ggacagtagtttaactgatacccgggaaacttcagaagagatgcaaaagaccaacaatgc 69989


Query: 1983  tatttcaagtaag 1995
             ||||||| |||||
Sbjct: 69988 tatttca-gtaag 69977



 Score =  115 bits (58), Expect = 2e-22
 Identities = 58/58 (100%)
 Strand = Plus / Minus


Query: 2949  caagaattccttgctgattggactttcaactggtctgtttgatgcaaacaacccaaag 3006
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 17146 caagaattccttgctgattggactttcaactggtctgtttgatgcaaacaacccaaag 17089



 Score = 91.7 bits (46), Expect = 3e-15
 Identities = 46/46 (100%)
 Strand = Plus / Minus


Query: 2371  gagatttctcccgaaggggaaaagtacaaacccttaattactggag 2416
             ||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 30810 gagatttctcccgaaggggaaaagtacaaacccttaattactggag 30765



>AC116621.6.22858.101182
          Length = 78325

 Score =  406 bits (205), Expect = e-110
 Identities = 208/209 (99%)
 Strand = Plus / Minus


Query: 3159  tgtgtttgaagaaactgacacagatttacaagagctgcaggcctcgatggaacagttact 3218
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 74191 tgtgtttgaagaaactgacacagatttacaagagctgcaggcctcgatggaacagttact 74132


Query: 3219  tagggaacaacctggtgaagaatacagtgaagaagaagagtcagtcttgaagaacagtga 3278
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 74131 tagggaacaacctggtgaagaatacagtgaagaagaagagtcagtcttgaagaacagtga 74072


Query: 3279  tgtggagccaactgcaaatgggacagatgtggcagatgaagatgacaatcccagtagtga 3338
             |||||||||||||||||||||||||||||||||||||||||||||||||||||| |||||
Sbjct: 74071 tgtggagccaactgcaaatgggacagatgtggcagatgaagatgacaatcccagcagtga 74012


Query: 3339  aagtgccctgaacgaagaatggcactcag 3367
             |||||||||||||||||||||||||||||
Sbjct: 74011 aagtgccctgaacgaagaatggcactcag 73983
```

```
Score =  268 bits (135), Expect = 2e-68
Identities = 135/135 (100%)
Strand = Plus / Minus


Query: 3497  aggctattcatgaagatgaagatgaaaatattgaaatttgttcaaaaatagttcaaaata 3556
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 72690 aggctattcatgaagatgaagatgaaaatattgaaatttgttcaaaaatagttcaaaata 72631


Query: 3557  ttttgggaaatgaacatcagcatctttatgccaagattcttcatttagtcatggcagatg 3616
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 72630 ttttgggaaatgaacatcagcatctttatgccaagattcttcatttagtcatggcagatg 72571


Query: 3617  gagcctaccaagaag 3631
             |||||||||||||||
Sbjct: 72570 gagcctaccaagaag 72556



 Score =  266 bits (134), Expect = 9e-68
 Identities = 134/134 (100%)
 Strand = Plus / Minus


Query: 3366  agataacagtgatggtgaaattgctagtgaatgtgaatgcgatagtgtctttaaccattt 3425
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 72984 agataacagtgatggtgaaattgctagtgaatgtgaatgcgatagtgtctttaaccattt 72925


Query: 3426  agaggaactgagacttcatctggagcaggaaatgggctttgaaaaattctttgaggttta 3485
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 72924 agaggaactgagacttcatctggagcaggaaatgggctttgaaaaattctttgaggttta 72865


Query: 3486  tgagaaaataaagg 3499
             ||||||||||||||
Sbjct: 72864 tgagaaaataaagg 72851



>AC116615.3.60396.89763
         Length = 29368

 Score =  406 bits (205), Expect = e-110
 Identities = 208/209 (99%)
 Strand = Plus / Minus


Query: 3159  tgtgtttgaagaaactgacacagatttacaagagctgcaggcctcgatggaacagttact 3218
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 21838 tgtgtttgaagaaactgacacagatttacaagagctgcaggcctcgatggaacagttact 21779


Query: 3219  tagggaacaacctggtgaagaatacagtgaagaagaagagtcagtcttgaagaacagtga 3278
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 21778 tagggaacaacctggtgaagaatacagtgaagaagaagagtcagtcttgaagaacagtga 21719
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```
Query: 3279  tgtggagccaactgcaaatgggacagatgtggcagatgaagatgacaatcccagtagtga  3338
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||| |||||
Sbjct: 21718 tgtggagccaactgcaaatgggacagatgtggcagatgaagatgacaatcccagcagtga  21659


Query: 3339  aagtgccctgaacgaagaatggcactcag  3367
             |||||||||||||||||||||||||||||
Sbjct: 21658 aagtgccctgaacgaagaatggcactcag  21630



 Score =  297 bits (150), Expect = 3e-77
 Identities = 153/154 (99%)
 Strand = Plus / Minus


Query: 3005  agatgttaaggacatgttcacttccagatctctcaaagctgttcagaacccttatggatg  3064
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 26727 agatgttaaggacatgttcacttccagatctctcaaagctgttcagaacccttatggatg  26668


Query: 3065  ttcccaccgtaggagatgttcgtcaagacaatcttgaaatagatgaaattaaagatgaaa  3124
             |||||||||||||||||||||||||||||||||||||||||||||||||| ||||||||||
Sbjct: 26667 ttcccaccgtaggagatgttcgtcaagacaatcttgaaatagatgaaattgaagatgaaa  26608


Query: 3125  acattaaagaaggaccttctgattctgaagacat  3158
             ||||||||||||||||||||||||||||||||||
Sbjct: 26607 acattaaagaaggaccttctgattctgaagacat  26574



 Score =  268 bits (135), Expect = 2e-68
 Identities = 135/135 (100%)
 Strand = Plus / Minus


Query: 3497  aggctattcatgaagatgaagatgaaaatattgaaatttgttcaaaaatagttcaaaata  3556
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 20337 aggctattcatgaagatgaagatgaaaatattgaaatttgttcaaaaatagttcaaaata  20278


Query: 3557  ttttgggaaatgaacatcagcatctttatgccaagattcttcatttagtcatggcagatg  3616
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 20277 ttttgggaaatgaacatcagcatctttatgccaagattcttcatttagtcatggcagatg  20218


Query: 3617  gagcctaccaagaag  3631
             |||||||||||||||
Sbjct: 20217 gagcctaccaagaag  20203



 Score =  266 bits (134), Expect = 9e-68
 Identities = 134/134 (100%)
 Strand = Plus / Minus


Query: 3366  agataacagtgatggtgaaattgctagtgaatgtgaatgcgatagtgtctttaaccattt  3425
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Sbjct: 20631 agataacagtgatggtgaaattgctagtgaatgtgaatgcgatagtgtctttaaccattt 20572


Query: 3426  agaggaactgagacttcatctggagcaggaaatgggctttgaaaaattctttgaggttta 3485
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 20571 agaggaactgagacttcatctggagcaggaaatgggctttgaaaaattctttgaggttta 20512


Query: 3486  tgagaaaataaagg 3499
             ||||||||||||||
Sbjct: 20511 tgagaaaataaagg 20498



>AC084724.3.6664.29537
          Length = 22874

 Score =  389 bits (196), Expect = e-105
 Identities = 200/201 (99%), Gaps = 1/201 (0%)
 Strand = Plus / Plus


Query: 607  tttgaagctggcagtatgaaaaacctggtactgaagataatatctggatcttttccacct 666
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 7611 tttgaagctggcagtatgaaaaacctggtactgaagataatatctggatcttttccacct 7670


Query: 667  gtgtctttgcattattcctatgatctccgcagtttggtgtctcagttatttaaaagaaat 726
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 7671 gtgtctttgcattattcctatgatctccgcagtttggtgtctcagttatttaaaagaaat 7730


Query: 727  cctagggatagaccatcagtcaactccatattggagaaaggtttttatagccaaacgcatt 786
            |||||||||||||||||||||||||||||||||||||||||||||||||||||||| |||
Sbjct: 7731 cctagggatagaccatcagtcaactccatattggagaaaggtttttatagccaaacg-att 7789


Query: 787  gaaaagtttctctctcctcag 807
            |||||||||||||||||||||
Sbjct: 7790 gaaaagtttctctctcctcag 7810



 Score =  307 bits (155), Expect = 3e-80
 Identities = 155/155 (100%)
 Strand = Plus / Plus


Query: 867   agctaaaagaccagcttcaggacaaaactcgatttctgttatgcctgctcagaaaattac 926
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 16079 agctaaaagaccagcttcaggacaaaactcgatttctgttatgcctgctcagaaaattac 16138


Query: 927   aaagcctgccgctaaatatggaatacctttagcatataagaaatatggagataaaaaatt 986
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 16139 aaagcctgccgctaaatatggaatacctttagcatataagaaatatggagataaaaaatt 16198


Query: 987   acacgaaaagaaaccactgcaaaaacataaacagg 1021
             |||||||||||||||||||||||||||||||||||
Sbjct: 16199 acacgaaaagaaaccactgcaaaaacataaacagg 16233
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```
Score =  178 bits (90), Expect = 2e-41
Identities = 90/90 (100%)
Strand = Plus / Plus


Query: 462   tagtactgtgagagctggctcgaacttgcatagggaccccatactacttgtcacctgaaat 521
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 4422  tagtactgtgagagctggctcgaacttgcatagggaccccatactacttgtcacctgaaat 4481


Query: 522   ctgtgaaaacaaaccttacaataataaaag 551
             ||||||||||||||||||||||||||||||
Sbjct: 4482  ctgtgaaaacaaaccttacaataataaaag 4511



 Score =  170 bits (86), Expect = 4e-39
 Identities = 86/86 (100%)
 Strand = Plus / Plus


Query: 311   agattttggactggtttgtacagatatgtttggccctgaaacatgtacatgatagaaaaa 370
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 2349  agattttggactggtttgtacagatatgtttggccctgaaacatgtacatgatagaaaaa 2408


Query: 371   ttcttcatcgagacattaaatctcag 396
             ||||||||||||||||||||||||||
Sbjct: 2409  ttcttcatcgagacattaaatctcag 2434



 Score =  141 bits (71), Expect = 4e-30
 Identities = 71/71 (100%)
 Strand = Plus / Plus


Query: 394   cagaacatatttttaactaaagatggaacagtacaacttggagattttggaattgctaga 453
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 3643  cagaacatatttttaactaaagatggaacagtacaacttggagattttggaattgctaga 3702


Query: 454   gttcttaatag 464
             |||||||||||
Sbjct: 3703  gttcttaatag 3713



 Score =  133 bits (67), Expect = 9e-28
 Identities = 70/71 (98%)
 Strand = Plus / Plus


Query: 803    ctcagcttattgcagaagaattttgtctaaaaacattttcgaagtttggatcacagccta 862
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 12253  ctcagcttattgcagaagaattttgtctaaaaacattttcgaagtttggatcacagccta 12312
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```
Query: 863    taccagctaaa 873
               |||||| ||||
Sbjct: 12313 taccaggtaaa 12323



 Score =  113 bits (57), Expect = 8e-22
 Identities = 57/57 (100%)
 Strand = Plus / Plus


Query: 550   agtgacatttgggctctggggtgtgtcctttatgagctgtgtacacttaaacatgct 606
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 5545  agtgacatttgggctctggggtgtgtcctttatgagctgtgtacacttaaacatgct 5601



>AC084724.3.127117.217563
          Length = 90447

 Score =  331 bits (167), Expect = 2e-87
 Identities = 167/167 (100%)
 Strand = Plus / Plus


Query: 1265  aggctcctttctgggcagtggagggactatagctccatcatctttttcttctcgaggac 1324
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 13121 aggctcctttctgggcagtggagggactatagctccatcatctttttcttctcgaggac 13180


Query: 1325  agtatgaacattaccatgccatttttgaccaaatgcagcaacaaagagcagaagataatg 1384
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 13181 agtatgaacattaccatgccatttttgaccaaatgcagcaacaaagagcagaagataatg 13240


Query: 1385  aagctaaatggaaaagagaaatatatggtcgaggtcttccagaaagg 1431
             |||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 13241 aagctaaatggaaaagagaaatatatggtcgaggtcttccagaaagg 13287



 Score =  264 bits (133), Expect = 4e-67
 Identities = 133/133 (100%)
 Strand = Plus / Plus


Query: 1792  ttggtggctaaaggagttaagagttctgatgtttctccacctttgggacagcatgaaaca 1851
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 89675 ttggtggctaaaggagttaagagttctgatgtttctccacctttgggacagcatgaaaca 89734


Query: 1852  ggtggctctccatcaaagcaacagatgagatctgttatttctgtaacttcagctttgaaa 1911
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 89735 ggtggctctccatcaaagcaacagatgagatctgttatttctgtaacttcagctttgaaa 89794


Query: 1912  gaagttggcgtgg 1924
             |||||||||||||
Sbjct: 89795 gaagttggcgtgg 89807
```

```
 Score =  212 bits (107), Expect = 1e-51
 Identities = 107/107 (100%)
 Strand = Plus / Plus


Query: 1429   aggcaaaaagggcagctagctgtagaaagagctaaacaagtagaagagttcctgcagcga 1488
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 31300  aggcaaaaagggcagctagctgtagaaagagctaaacaagtagaagagttcctgcagcga 31359


Query: 1489   aaacgggaagctatgcagaataaagctcgagccgaaggacatatggt 1535
              |||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 31360  aaacgggaagctatgcagaataaagctcgagccgaaggacatatggt 31406



 Score =  168 bits (85), Expect = 2e-38
 Identities = 85/85 (100%)
 Strand = Plus / Plus


Query: 1533   ggtttatctggcaagactgaggcaaataagactacagaatttcaatgagcgccaacagat 1592
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 60881  ggtttatctggcaagactgaggcaaataagactacagaatttcaatgagcgccaacagat 60940


Query: 1593   taaagccaaacttcgtggtgaaaag 1617
              |||||||||||||||||||||||||
Sbjct: 60941  taaagccaaacttcgtggtgaaaag 60965



 Score =  153 bits (77), Expect = 9e-34
 Identities = 77/77 (100%)
 Strand = Plus / Plus


Query: 1191  gttggaaagaataaatagggccagggaacaaggatggagaaatgtgctaagtgctggtgg 1250
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 7663  gttggaaagaataaatagggccagggaacaaggatggagaaatgtgctaagtgctggtgg 7722


Query: 1251  aagtggtgaagtaaagg 1267
             |||||||||||||||||
Sbjct: 7723  aagtggtgaagtaaagg 7739



 Score =  149 bits (75), Expect = 1e-32
 Identities = 75/75 (100%)
 Strand = Plus / Plus


Query: 1694   aggcccatgcaaatgcacgtgctgctgtactaaaagaacaactagaacgaaagagaaagg 1753
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 62079  aggcccatgcaaatgcacgtgctgctgtactaaaagaacaactagaacgaaagagaaagg 62138


Query: 1754   aggcttatgagagag 1768
              |||||||||||||||
```

Sbjct: 62139 aggcttatgagagag 62153

  Score = 127 bits (64), Expect = 5e-26
  Identities = 64/64 (100%)
  Strand = Plus / Plus

Query: 1018 caggcccatcaaactccagagaagagagtgaatactggagaagaaaggaggaaaatatct 1077
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 7019 caggcccatcaaactccagagaagagagtgaatactggagaagaaaggaggaaaatatct 7078

Query: 1078 gagg 1081
            ||||
Sbjct: 7079 gagg 7082

  Score = 123 bits (62), Expect = 8e-25
  Identities = 62/62 (100%)
  Strand = Plus / Plus

Query: 1079 aggaagcagcaagaaagagaaggctggaatttattgaaaaagaaaagaaacaaaaggatc 1138
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 7325 aggaagcagcaagaaagagaaggctggaatttattgaaaaagaaaagaaacaaaaggatc 7384

Query: 1139 ag 1140
            ||
Sbjct: 7385 ag 7386

  Score = 117 bits (59), Expect = 5e-23
  Identities = 59/59 (100%)
  Strand = Plus / Plus

Query: 1616 agaaagaagctaatcattctgaaggacaagaaggaagtgaagaggctgacatgaggcgc 1674
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 61419 agaaagaagctaatcattctgaaggacaagaaggaagtgaagaggctgacatgaggcgc 61477

  Score = 107 bits (54), Expect = 5e-20
  Identities = 54/54 (100%)
  Strand = Plus / Plus

Query: 1138 cagattattagtttaatgaaggctgaacaaatgaaaaggcaagaaaaggaaagg 1191
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 7478 cagattattagtttaatgaaggctgaacaaatgaaaaggcaagaaaaggaaagg 7531

>AC084724.3.29638.51693
          Length = 22056

```
 Score =  232 bits (117), Expect = 1e-57
 Identities = 117/117 (100%)
 Strand = Plus / Plus


Query: 1      atggagaagtatgttagactacagaagattggagaaggttcatttggaaaagccattctt 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 12568 atggagaagtatgttagactacagaagattggagaaggttcatttggaaaagccattctt 12627


Query: 61     gttaaatctacagaagatggcagacagtatgttatcaaggaaattaacatctcaaga 117
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 12628 gttaaatctacagaagatggcagacagtatgttatcaaggaaattaacatctcaaga 12684



 Score =  200 bits (101), Expect = 4e-48
 Identities = 104/105 (99%)
 Strand = Plus / Plus


Query: 208    tttgaagaaaatggctctctctacatagtaatggattactgtgagggaggggatctgttt 267
              ||||  |||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 15993 tttgtagaaaatggctctctctacatagtaatggattactgtgagggaggggatctgttt 16052


Query: 268    aagcgaataaatgctcagaaaggcgttttgtttcaagaggatcag 312
              |||||||||||||||||||||||||||||||| ||||||||||||
Sbjct: 16053 aagcgaataaatgctcagaaaggcgttttgtttcaagaggatcag 16097



 Score =  192 bits (97), Expect = 1e-45
 Identities = 97/97 (100%)
 Strand = Plus / Plus


Query: 118    atgtccagtaaagaaagagaagaatcaaggagagaagttgcagtattggcaaacatgaag 177
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 13094 atgtccagtaaagaaagagaagaatcaaggagagaagttgcagtattggcaaacatgaag 13153


Query: 178    catccaaatattgtccagtatagagaatcatttgaag 214
              |||||||||||||||||||||||||||||||||||||
Sbjct: 13154 catccaaatattgtccagtatagagaatcatttgaag 13190



>AC116643.2.13772.15264
          Length = 1493

 Score =  178 bits (90), Expect = 2e-41
 Identities = 90/90 (100%)
 Strand = Plus / Minus


Query: 462   tagtactgtagagctggctcgaacttgcatagggaccccatactacttgtcacctgaaat 521
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 1051  tagtactgtagagctggctcgaacttgcatagggaccccatactacttgtcacctgaaat 992
```

```
Query: 522  ctgtgaaaacaaaccttacaataataaaag 551
            ||||||||||||||||||||||||||||||
Sbjct: 991  ctgtgaaaacaaaccttacaataataaaag 962
```

>AC116642.2.30736.38115
          Length = 7380

 Score = 170 bits (86), Expect = 4e-39
 Identities = 86/86 (100%)
 Strand = Plus / Minus

```
Query: 311   agattttggactggtttgtacagatatgtttggccctgaaacatgtacatgatagaaaaa 370
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 1978  agattttggactggtttgtacagatatgtttggccctgaaacatgtacatgatagaaaaa 1919


Query: 371   ttcttcatcgagacattaaatctcag 396
             ||||||||||||||||||||||||||
Sbjct: 1918  ttcttcatcgagacattaaatctcag 1893
```

 Score = 95.6 bits (48), Expect = 2e-16
 Identities = 63/68 (92%)
 Strand = Plus / Minus

```
Query: 397  aacatatttttaactaaagatggaacagtacaacttggagattttggaattgctagagtt 456
            |||||||||||| |||  ||||||||||||||||||||| ||||||||||||| |||
Sbjct: 681  aacatatttttacctaccgatggaacagtacaacttggatattttggaattgctacagtt 622


Query: 457  cttaatag 464
            ||||||||
Sbjct: 621  cttaatag 614
```